

a' amended. flows are formed inside the cooling tube. The cooling tube has interleaved folds at least equal in number to the number of coils. The coils being fitted into these folds. At the time of manufacture of the coil assembly, the coils are wound around cores that are divided for each coil, and the cores are inserted into the folds of the cooling tube.

IN THE CLAIMS:

Please amend claims 1-3 as follows:

a2 1. (Amended) A linear motor coil assembly for developing linear motion, comprising:

a plurality of coils arranged in a line in a direction of movement, each coil having an associated coil axis, said coil axes being perpendicular to the direction of motion; and

a flat cooling tube, said cooling tube having a cross section elongated in a direction parallel to the coil axes and folds into which said coils are adapted to engage, said cooling tube meandering inside the plurality of coils.

2. (Amended) The linear motor coil assembly according to claim 1, wherein the flat cooling tube has a plurality of clearance holes for passing coolant, said clearance holes being formed in a direction parallel to the coil axes.

3. (Amended) The linear motor coil assembly according to claim 1, wherein the flat cooling tube comprises a plurality of round pipes for passing coolant, said pipes being aligned and attached in a direction parallel to the coil axes.